Index of Claims

| Application No.    | Applicant(s) |  |
|--------------------|--------------|--|
| 09/491,343         | DYE ET AL.   |  |
| Examiner           | Art Unit     |  |
| Howard L. Williams | 2819         |  |

| Rejected | - | (Through nu<br>Cancell |
|----------|---|------------------------|
| Allowed  | ÷ | Restrict               |

| - | (Through numeral)<br>Cancelled | N | Non-Elected  |
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|   | Restricted                     | ı | Interference |

| A | Appeal   |
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| Cla      | aim      | Date   |        |        |   |              |              |          |           |          | Cla      | aim      | Date     |        |        |        |          |          |          | $\neg$   |                 | Cla      | aim   | Date     |            |          |          |                 |          |          |          |          |          |               |
|----------|----------|--------|--------|--------|---|--------------|--------------|----------|-----------|----------|----------|----------|----------|--------|--------|--------|----------|----------|----------|----------|-----------------|----------|-------|----------|------------|----------|----------|-----------------|----------|----------|----------|----------|----------|---------------|
| Final    | Original | 081103 | 032204 | 063004 |   |              |              |          |           |          | 23<br>23 | Final    | Original | 081103 | 032204 | 063004 |          |          |          |          |                 |          |       | Final    | Original   | 081103   | 032204   | 063004          |          |          |          |          |          |               |
| 1        | 1        | =      | =      | =      |   | $\vdash$     | $\vdash$     |          |           |          |          | 51       | 51       | =      | =      | =      |          |          | _        |          | +               |          |       | 99       | 101        | =        | =        | =               |          | _        | $\vdash$ | -        | -        | -             |
| 2        | 2        | =      | =      | =      |   | İ            |              | Т        | П         |          |          |          | 52       | 1      | √      |        |          |          |          |          | $\neg$          | _        |       | 100      | 102        | =        | =        | =               | ,        |          |          |          |          |               |
| 3        | 3        | =      | =      | -      |   |              |              |          |           |          |          | 52       | 53       | 0      | 0      | =      |          |          |          |          |                 |          |       | 101      | 103        | 1        | =        | =               |          |          |          |          |          |               |
| 4        | 4        | =      | =      | =      |   |              | $\Box$       |          |           |          |          | 53       | 54       | 1      | 0      | =      |          |          |          |          |                 |          |       | 102      | 104        | 7        | =        | =               |          |          |          |          |          |               |
| 5        | 5        | =      | =      | =      |   |              |              |          |           |          | ٠.       | 54       | 55       | 1      | 0      | =      |          |          |          |          |                 |          | -     | 103      | 105        | 7        | =        | =               |          |          |          |          |          |               |
| 6        | 6        | =      | =      | =      |   |              |              |          |           |          |          |          | 56       | =      | √      |        |          |          |          |          |                 | ŀ        |       | 104      | 106        | 1        | =        | =               |          |          |          |          | '        | l             |
| 7        | 7        | =      | =      | =      |   |              |              |          |           |          |          | 55       | 57       | =      | =      | =      |          |          |          |          |                 |          |       | 105      | 107        | 1        | =        | =               |          |          |          | $\neg$   |          |               |
| 8        | 8        | =      | =      | =      |   |              |              |          |           |          |          | 56       | 58       | =      | =      | =      |          |          |          |          |                 |          |       | 106      | 108        | 1        | Ξ        | =               |          |          |          |          |          |               |
| 9        | 9        | =      | =      | =      |   |              |              |          |           |          |          | 57       | 59       | =      | =      | =      |          |          |          |          |                 |          | - 1   | 107      | 109        | 1        | =        | =               |          |          |          |          |          |               |
| 10       | 10       | =      | =      | =      |   |              |              |          | Ш         |          |          | 58       | 60       | =      | =      | =      |          |          |          |          |                 |          |       | 108      | 110        | 1        | =        | =               |          |          |          |          |          |               |
| 11       | 11       | =      | =      | =      |   | <u> </u>     | <u> </u>     | ┖        | Ц         |          |          | 59       | 61       | =      | =      | =      |          |          | _        |          |                 | _        | i     | 109      | 111        | ۷.       | =        | =               |          |          |          |          |          |               |
| 12       | 12       | ゠      | =      | =      | _ | <u> </u>     | <u> </u>     | <u> </u> | $\Box$    | _        |          | 60       | 62       | =      | =      | =      |          |          |          |          | _               |          |       | 110      | 112        | 1        | =        | =               |          |          |          |          |          | _             |
| 13       | 13       | =      | =      | =      |   | _            |              | <u> </u> |           | _        | ٠        | 61       | 63       | =      | =      | =      |          |          |          |          | 4               | _        |       |          | 113        |          |          |                 |          |          |          |          | $\sqcup$ | <u> </u>      |
| 14       | 14       | =      | =      | =      |   | _            |              |          | $\square$ | 4        | į        | 62       | 64       | =      | =      | =      |          |          |          | $\perp$  | 4               | ┥.       |       |          | 114        |          | ļ        |                 |          |          | Ш        |          |          | <u> </u>      |
| 15       | 15       | =      | =      | =      | _ | _            | <u> </u>     | -        |           | $\dashv$ | ١.       | 63       | 65       | =      | =      | =      | $\vdash$ |          | $\dashv$ | $\dashv$ | $\dashv$        | 4        |       |          | 115        |          |          |                 |          |          |          | —        | $\vdash$ | <u> </u>      |
| 16<br>17 | 16<br>17 | =      | =      | =      |   |              |              |          | $\vdash$  |          |          | 64       | 66       | =      | =      | =      |          | $\vdash$ | _        | -        | $\dashv$        | -        |       |          | 116        |          | <u> </u> | $\vdash$        |          |          |          | _        | $\vdash$ | <u> </u>      |
| 18       | 18       | =      | =      | -      |   |              | ├            | $\vdash$ | $\vdash$  | $\dashv$ |          | 65<br>66 | 67<br>68 | =      | =      | =      | $\vdash$ | $\dashv$ | $\dashv$ |          | $\dashv$        | 4        | ,     |          | 117        |          | <u> </u> |                 |          |          | _        | $\dashv$ | -        | <u> </u>      |
| 19       | 19       | =      | =      | =      | _ |              | -            |          | $\dashv$  | $\dashv$ | 1 1      | 67       | 69       | =      | =      | =      | $\vdash$ | $\dashv$ | $\dashv$ | -        | -+              | 4        | 7     |          | 118<br>119 |          |          | -               |          |          | -        |          | -        | $\vdash$      |
| 20       | 20       | =      | =      | =      |   | <del> </del> |              | -        | $\dashv$  | $\dashv$ | 2.6      | 68       | 70       | =      | =      | =      |          | $\dashv$ | -        | -        | -+              | -1       |       |          | 120        | -        |          | H               |          |          | -        | -        | _        | $\vdash$      |
| 21       | 21       | =      | =      | =      |   |              | $\vdash$     | -        | $\dashv$  | 1        |          | 69       | 71       | =      | =      | =      |          |          | $\dashv$ |          | $\dashv$        | -        |       |          | 121        |          |          |                 |          |          | -        | $\dashv$ | $\vdash$ | $\vdash$      |
| 22       | 22       | =      | =      | =      |   |              | $\vdash$     |          |           |          | 1        | 72       | 72       | =      | =      | =      |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        |          | · Gri |          | 122        |          |          | Н               |          |          | $\dashv$ | $\dashv$ | Н        | $\vdash$      |
| 23       | 23       | =      | =      | =      |   |              |              |          |           |          |          | 73       | 73       | =      | =      | =      |          | $\dashv$ | ᅥ        | 十        | 十               | ٠,       |       |          | 123        |          |          |                 |          |          | $\vdash$ | $\dashv$ | $\vdash$ |               |
| 24       | 24       | =      | =      | =      |   |              |              |          |           |          |          | 74       | 74       | =      | =      | =      |          | $\neg$   | 一        | _        | 十               | 7        |       |          | 124        | _        |          |                 |          |          |          |          |          |               |
| 25       | 25       | =      | =      | =      |   |              | Г            |          |           |          | ÷        | 75       | 75       | =      | =      | =      |          | $\neg$   | $\neg$   | _        | T               | 1        |       |          | 125        |          |          | П               |          |          |          |          | $\Box$   |               |
| 26       | 26       | =      | =      | =      |   |              |              |          |           |          | 3        | 76       | 76       | =      | =      | =      |          |          |          |          | $\neg \uparrow$ | -        |       |          | 126        |          |          |                 |          |          |          | $\neg$   |          |               |
| 27       | 27       | =      | =      | =      |   |              |              |          |           |          | * 1      | 77       | 77       | =      | =      | =      |          |          |          |          |                 | T:       | . 1   |          | 127        |          |          | П               |          |          |          |          |          |               |
| 28       | 28       | =      | =      | =      |   |              |              |          |           |          |          | 78       | 78       | =      | =      | =      |          |          |          |          |                 |          |       |          | 128        |          |          |                 |          |          |          |          |          |               |
| 29       | 29       | =      | =      | =      |   | 匚            | L            |          |           |          | 1        | 79       | 79       | =      | =      | =      |          |          |          |          |                 |          | 1     |          | 129        |          |          |                 |          |          |          |          |          |               |
| 30       | 30       | =      | =      | =      |   | Щ            | <u> </u>     | Ш        | _         | _        |          | 80       | 80       | =      | =      | =      |          |          |          |          | $\perp$         |          | ï     |          | 130        |          |          |                 |          |          |          |          |          |               |
| 31       | 31       | =      | =      | =      |   |              | <u> </u>     |          |           | _        | Ē        | 70       | 81       | =.     | =      | =      | _        | $\Box$   |          | _        | _               | _        | 1     |          | 131        |          |          |                 |          |          |          |          |          | ļ             |
| 32       | 32       | =      | =      | =      |   |              |              |          |           | _        |          | 71       | 82       | =      | =      | =      |          | 4        | _        | _        | _               | _        |       |          | 132        |          |          |                 |          |          |          |          |          |               |
| 33       | 33       | =      | =      | =      |   | $\vdash$     |              | Н        | $\vdash$  | ᅴ        |          | 81       | 83       | =      | =      | =      |          | _        | _        | _        | -               | 4        |       |          | 133        |          |          |                 |          |          | _        |          | لــــا   |               |
| 34<br>35 | 34<br>35 | =      | =      | =      |   | -            |              |          | $\dashv$  | $\dashv$ | . 1      | 82       | 84       | =      | -      | =      | $\dashv$ | -        |          | -        | +               | _        |       |          | 134        |          |          | $\square$       | _        |          |          | 4        | Н        |               |
| 36       | 36       | =      | =      | =      |   |              | <del> </del> | Н        | $\dashv$  | $\dashv$ | -        | 83<br>84 | 85<br>86 | =      | =      | =      | -        |          | $\dashv$ | $\dashv$ | +               | Н.       |       |          | 135        | _        |          | $\vdash \vdash$ | $\dashv$ | -        |          | $\dashv$ |          |               |
| 37       | 37       | =      | =      | -      | - | $\vdash$     | $\vdash$     | $\vdash$ | $\dashv$  | $\dashv$ |          | 85       | 87       | =      | =      | =      | $\dashv$ | -        | +        | $\dashv$ | $\dashv$        | -        |       | $\vdash$ | 136<br>137 |          | -        | Н               | $\dashv$ | -        |          | $\dashv$ |          | _             |
| 38       | 38       | =      | =      | =      |   | $\vdash$     | -            | $\vdash$ | $\dashv$  | $\dashv$ |          | 86       | 88       | = =    | =      | =      |          | $\dashv$ | -        | $\dashv$ | $\dashv$        | $\dashv$ |       |          | 137        | $\dashv$ |          | $\vdash$        | $\dashv$ | -        | $\dashv$ | $\dashv$ |          |               |
| 39       | 39       | Ξ      | =      | =      |   | Н            | ┢            | Н        | $\dashv$  | -        | 10       | 87       | 89       | =      | _      | =      | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | -     |          | 139        | -        |          | $\dashv$        | $\dashv$ | $\dashv$ |          |          |          | _             |
| 40       | 40       | =      |        |        |   |              | $\vdash$     | Н        | $\dashv$  | ⊣        |          | 88       | 90       | =      | =      | =      | ᅱ        | $\dashv$ | $\dashv$ | ᆉ        | $\dashv$        | $\dashv$ |       |          | 140        | -        |          | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _             |
| 41       | 41       | =      | =      | =      |   | Н            |              |          | 1         | $\neg$   |          | 89       | 91       | =      |        | =      | -        | -        | ᅥ        | $\dashv$ | $\dashv$        | ┥.       | 1     |          | 141        | $\dashv$ |          | $\dashv$        | -        |          |          | -        | $\dashv$ | _             |
| 42       | 42       | =      | =      | =      |   |              |              | H        | 7         | $\dashv$ | 1        | 90       | 92       | =      |        | =      | $\dashv$ | $\dashv$ | -        | +        | +               | -        |       |          | 142        | $\dashv$ |          | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | _             |
| 43       | 43       | =      | =      | =      |   |              |              | Н        | _         | ᅱ        | -        | 91       | 93       | =      |        | =      | $\dashv$ | $\dashv$ | 7        | -+       | +               | $\dashv$ | - 1   |          | 143        | $\dashv$ |          |                 |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |               |
| 44       | 44       | =      | =      | =      |   |              |              | П        |           | $\dashv$ |          | 92       | 94       | =      | =      | =      | $\neg$   |          |          | $\dashv$ | $\dashv$        | -        | -     |          | 144        |          |          |                 |          | $\neg$   |          | $\dashv$ | $\neg$   | _             |
| 45       | 45       | =      | =      | =      |   |              | 1            |          |           |          | . 1      | 93       | 95       | _      | =      | =      |          |          |          |          |                 | 7        |       |          | 145        |          |          | -               | -        |          |          |          |          |               |
| 46       | 46       | =      | =      | =      |   |              |              |          |           |          | 8        | 94       | 96       | =      | =      | =      |          |          | T        | T        | Ť               | 7        | -     |          | 146        |          | _        |                 |          |          |          | $\dashv$ | $\dashv$ |               |
| 47       | 47       | =      | Ξ      | Ξ      |   |              |              |          |           |          | - 100    | 95       | 97       | =      | =      | Ξ      |          | 丁        | ╗        |          | $\top$          |          | in.   |          | 147        |          |          |                 | $\neg$   | T        | $\neg$   | $\dashv$ | $\neg$   |               |
| 48       | 48       | =      | =      | =      |   |              |              |          |           |          |          | 96       | 98       | =      | =      | Ξ      |          | $\Box$   | ╗        |          |                 |          |       |          | 148        |          |          |                 |          |          |          | $\neg$   | $\neg$   | $\overline{}$ |
| 49       | 49       | =      | Ξ      | =      |   |              |              | $\Box$   |           |          | Ì        | 97       | 99       | =      | Ξ      | Ξ      |          |          |          |          |                 |          | Ì     |          | 149        |          |          |                 |          |          |          | ╛        |          |               |
| 50       | 50       | =      | =      | =      |   |              |              |          | Ш.        | $\Box$   |          | 98       | 100      | =      | = ]    | =      |          |          | $\perp$  |          |                 |          |       |          | 150        |          |          |                 |          | $\Box$   |          |          |          |               |